

CLAIMS

What is claimed is:

1. An outdoor unit for an air conditioner, comprising:
a cabinet having a bottom panel;
an outdoor heat exchanger installed in the cabinet; and
a support member supporting the outdoor heat exchanger with a space between a lower end of the outdoor heat exchanger and the bottom panel of the cabinet, to prevent condensed water generated from the outdoor heat exchanger from being frozen.
2. The outdoor unit for an air conditioner according to claim 1, wherein the support member includes heat insulating material.
3. The outdoor unit for an air conditioner according to claim 1,
wherein the bottom panel of the cabinet includes a flange extending upward at an edge of the bottom panel, and
wherein the support member is attached to the flange.
4. The outdoor unit for an air conditioner according to claim 3, wherein the support member includes heat insulating material.
5. The outdoor unit for an air conditioner according to claim 3, wherein the support member includes a fixing portion attached to the flange, and a support portion extending from the fixing portion to support the lower end of the heat exchanger.
6. The outdoor unit for an air conditioner according to claim 5, wherein the support member further includes a lower reinforcing portion connected between a lower surface of the support portion and an inner surface of the fixing portion to prevent the support portion from sagging.

7. The outdoor unit for an air conditioner according to claim 5, wherein the support member further includes an upper reinforcing portion connected between an upper surface of the support portion and an inner surface of the fixing portion to separate the lower end of the outdoor heat exchanger from the fixing portion.

8. The outdoor unit for an air conditioner according to claim 5, wherein the fixing portion includes a fitting groove into which the flange is inserted to hold the support member.

9. An outdoor unit for an air conditioner, comprising:
a cabinet having a bottom panel;
an outdoor heat exchanger installed in the cabinet; and
a spacer member separating a lower end of the outdoor heat exchanger from a seat portion of the bottom panel of the cabinet, to prevent condensed water generated from the outdoor heat exchanger from freezing.

10. An outdoor unit for an air conditioner, comprising:
a cabinet including a front panel having a discharge port, a rear panel having suction holes, both side panels having suction holes, and a bottom panel;
an outdoor heat exchanger vertically installed in the cabinet adjacent to the suction holes;
a blower fan installed in the cabinet to blow air toward the discharge port; and
a support member including heat insulating material and disposed between the bottom panel of the cabinet and the outdoor heat exchanger, to separate a lower end of the outdoor heat exchanger from the bottom panel of the cabinet.

11. An outdoor unit for an air conditioner, comprising;
a cabinet having a bottom panel;
an outdoor heat exchanger installed in the cabinet; and
a support member including a support portion, which supports a lower end of the outdoor heat exchanger,

wherein condensed water flowing on the outdoor heat exchanger falls on the bottom panel via an upper surface of the support portion of the support member, and

wherein the support member prevents coldness from the outdoor heat exchanger from being transmitted to the bottom panel to prevent the condensed water from freezing.

12. An outdoor unit for an air conditioner, comprising;
a cabinet having a bottom panel;
an outdoor heat exchanger installed in the cabinet; and
a support member which supports the outdoor heat exchanger, including a support portion and a fitting portion,

wherein the support member includes a plurality of lower reinforcing ribs connected between a lower surface of the support portion and an inner surface of the fitting portion, and a plurality of upper reinforcing ribs connected between an upper surface of the support portion and the inner surface of the fitting portion and prevents the support portion from sagging, and

wherein the support member prevents coldness from the outdoor heat exchanger from being transmitted to the bottom panel to prevent the condensed water from freezing.

13. The outdoor unit according to claim 12, wherein the upper reinforcing ribs are smaller than the lower reinforcing ribs such that a lower end of the outdoor heat exchanger is directly supported on the upper surface of the support portion while in contact therewith.

14. The outdoor unit for an air conditioner according to claim 12, wherein each of the upper reinforcing ribs has an inclined upper surface, and the outdoor heat exchanger is placed on the support portion with a space between the fitting portion and the outdoor heat exchanger.

15. The outdoor unit for an air conditioner according to claim 12, wherein a width of an area of the support portion in contact with the lower end of the outdoor heat exchanger is smaller than a width of the outdoor heat exchanger.

16. The outdoor unit for an air conditioner according to claim 6, wherein the support member further includes an upper reinforcing portion connected between an upper surface of the support portion and an inner surface of the fixing portion to separate the lower end of the outdoor heat exchanger from the fixing portion.

17. The outdoor unit for an air conditioner according to claim 12, wherein the support portion includes a heat insulating material.